

POST TROPICAL CYCLONE REPORT

Storm Name Tropical Storm Idalia

NWS Office Newport/Morehead City, NC

Begin/End Date 08/30/2023 - 8/31/2023

Fatalities 0 Direct
0 Indirect

Tornadoes

Event Summary

After making landfall in Florida, then Hurricane Idalia weakened to a tropical storm as it crossed the southeastern US, re-emerging over the Atlantic off of the coast of the Carolinas. Tropical Storm Idalia brought flooding rains to coastal areas of Eastern North Carolina, with tropical storm force winds and coastal flooding impacts. Dangerous marine conditions prevailed for several days.

NOTE: It is unlikely that the point-based observations provided in this report sampled the peak values for the event.

Highest 10 Land Winds (kts)*

Station	State	Type	Sustained	Gust
Frisco Woods	NC	Mesonet	43	56
Avon-Sound	NC	Mesonet	43	53
Oregon Inlet CG	NC	Mesonet	41	49
Piney Island - BT11 Bombing Range	NC	ASOS	40	62
Fort Macon	NC	Mesonet	39	53
Hatteras High	NC	Mesonet	39	54
Oregon Inlet	NC	Mesonet	35	46
Kites Resort	NC	Mesonet	34	46
Beaufort Airport	NC	ASOS	33	53
New River Air Station	NC	ASOS	31	43

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Pamlico Sound	Mesonet	49	62
Avon-Ocean	Mesonet	48	58
Cape Lookout	NDBC	44	53
USCG Hatteras	NOS	44	56
Diamond Shoals	NDBC	43	60
Onslow Bay Outer	CORMP	39	54
Duck	NOS	39	45
Real Slick	Mesonet	39	51
Beaufort	NOS	36	52
Oregon Inlet	NOS	28	42

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Beaufort 0.5 W	NC	COCORAHS	10.26
Beaufort 3.4 NNW	NC	COCORAHS	9.28
Cedar Island RAWS	NC	RAWS	8.73
Jacksonville 1.0 NW	NC	COCORAHS	8.03
Beaufort 1.5 NNW	NC	COCORAHS	7.91
Beaufort 3.8 N	NC	COCORAHS	7.77
Morehead City 0.1 E	NC	COCORAHS	7.65
Cape Carteret 1.5 NE	NC	COOP	7.42
Hatteras 0.6 SW	NC	COCORAHS	7.23
Jacksonville (COOP)	NC	COOP	7.13

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
Atlantic Coast at Duck	NC	MHHW	2.83
Pamlico Sound at Coast Guard Hatteras	NC	MHHW	2.58
Atlantic Coast at Beaufort Marine Lab	NC	MHHW	1.79
Pamlico Sound at Oregon Inlet Marina	NC	MHHW	0.85

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
Pamlico Sound		Mesonet	992.8
Fort Macon	NC	Mesonet	993.4
Onslow Bay Outer		CORMP	994.8
Frisco Woods	NC	Mesonet	995.2
Kites Resort	NC	Mesonet	995.3
Hatteras High	NC	Mesonet	995.4
Beaufort		NOS	995.4
New River Air Station	NC	ASOS	995.8
Cape Lookout		NDBC	995.9
Beaufort Airport	NC	ASOS	996.0

Report Last Updated on 09/04/2023:

The following files have been updated: Wind and Pressure, Rainfall, Water Level, Tornadoes